

FORM PTO-1449

ATTY. DOCKET NO.  
264/036SERIAL NO.  
09/849,119LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S  
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT:  
Donald E. Ackley et al.FILING DATE:  
May 4, 2001GROUP:  
Not Yet Assigned

TECH CENTER 1600/2800

AUG 09 2001

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER | DATE  | NAME               | CLASS | SUBC<br>LASS | FILING DATE |
|---------------------|----|-----------------|-------|--------------------|-------|--------------|-------------|
| AM                  | AA | 3,950,738       | 4/76  | Hayashi et al.     | 365   | 185          | 7/74        |
|                     | AB | 3,995,190       | 11/76 | Salgo              | 313   | 391          | 12/75       |
|                     | AC | 4,283,773       | 8/81  | Daughton et al.    | 364   | 132          | 4/79        |
|                     | AD | 4,563,419       | 1/86  | Ranki et al.       | 435   | 6            | 12/83       |
|                     | AE | 4,580,895       | 4/86  | Patel              | 356   | 39           | 10/83       |
|                     | AF | 4,584,075       | 4/86  | Goldstein          | 204   | 522          | 11/84       |
|                     | AG | 4,594,135       | 6/86  | Goldstein          | 204   | 551          | 2/85        |
|                     | AH | 4,751,177       | 6/88  | Stabinsky          | 435   | 6            | 6/85        |
|                     | AI | 4,787,963       | 11/88 | MacConnell         | 204   | 450          | 5/87        |
|                     | AJ | 4,807,161       | 2/89  | Comfort et al.     | 364   | 550          | 12/87       |
|                     | AK | 4,816,418       | 3/89  | Mack et al.        | 436   | 518          | 7/85        |
|                     | AL | 4,822,566       | 4/89  | Newman             | 422   | 82           | 5/87        |
|                     | AM | 4,828,979       | 5/89  | Klevan et al.      | 435   | 6            | 11/84       |
|                     | AN | 4,908,112       | 3/90  | Pace               | 210   | 198          | 6/88        |
|                     | AO | 5,063,081       | 11/91 | Cozzette et al.    | 435   | 4            | 8/90        |
|                     | AP | 5,074,977       | 12/91 | Cheung et al.      | 205   | 775          | 10/90       |
|                     | AQ | 5,075,077       | 12/91 | Durley, III et al. | 422   | 56           | 8/88        |
|                     | AR | 5,096,669       | 3/92  | Lauks et al.       | 422   | 61           | 9/88        |
|                     | AS | 5,096,807       | 3/92  | Leaback            | 435   | 6            | 12/89       |
|                     | AT | 5,125,748       | 6/92  | Bjornson et al.    | 356   | 414          | 5/91        |
|                     | AU | 5,126,022       | 6/92  | Soane et al.       | 204   | 458          | 2/90        |
|                     | AV | 5,143,854       | 9/92  | Pirrung et al.     | 436   | 518          | 3/90        |
|                     | AW | 5,164,319       | 11/92 | Hafeman et al.     | 435   | 287          | 11/89       |
|                     | AX | 5,166,063       | 11/92 | Johnson            | 435   | 173          | 6/90        |
|                     | AY | 5,200,051       | 4/93  | Cozzette et al.    | 204   | 403          | 11/89       |
|                     | AZ | 5,202,231       | 4/93  | Drmanac et al.     | 435   | 6            | 6/91        |
|                     | BA | 5,219,726       | 6/93  | Evans              | 435   | 6            | 6/89        |
|                     | BB | 5,227,265       | 7/93  | DeBoer et al.      | 430   | 41           | 11/90       |
|                     | BC | 5,234,566       | 8/93  | Osman et al.       | 204   | 403          | 4/91        |
|                     | BD | 5,242,797       | 9/93  | Hirshfeld          | 435   | 6            | 1/92        |
|                     | BE | 5,304,487       | 4/94  | Wilding et al.     | 435   | 29           | 5/92        |
|                     | BF | 5,312,527       | 5/94  | Mikkelsen et al.   | 205   | 777          | 10/92       |
|                     | BG | 5,433,819       | 7/95  | McMeen             | 216   | 20           | 5/93        |
|                     | BH | 5,434,049       | 7/95  | Okano et al.       | 435   | 6            | 2/93        |
|                     | BI | 5,445,525       | 8/95  | Broadbent et al.   | 439   | 64           | 5/94        |
| ✓                   | BJ | 5,516,698       | 5/96  | Begg et al.        | 436   | 89           | 4/92        |

OC-88563.1

EXAMINER:

*Andin H. Mansuet*

DATE CONSIDERED:

*7/23/08*

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|  |  |  |  |                                       |  |                            |  |
|--|--|--|--|---------------------------------------|--|----------------------------|--|
| FORM PTO-1449  |  |  |  | ATTY. DOCKET NO.<br>264/036           |  | SERIAL NO.<br>09/849,119   |  |
| LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S<br>INFORMATION DISCLOSURE STATEMENT<br>(Use several sheets if necessary) |  |  |  | APPLICANT:<br>Donald E. Ackley et al. |  |                            |  |
|  |  |  |  | FILING DATE:<br>May 4, 2001           |  | GROUP:<br>Not Yet Assigned |  |

  

|    |           |       |                |     |     |       |
|----|-----------|-------|----------------|-----|-----|-------|
| BK | 5,527,670 | 6/96  | Stanley        | 435 | 6   | 8/94  |
| BL | 5,527,681 | 6/96  | Holmes         | 435 | 6   | 11/92 |
| BM | 5,605,662 | 2/97  | Heller et al.  | 422 | 68  | 11/93 |
| BN | 5,632,957 | 5/97  | Heller et al.  | 422 | 68  | 9/94  |
| BO | 5,653,939 | 8/97  | Hollis et al.  | 422 | 50  | 8/95  |
| BP | 5,677,195 | 10/97 | Winkler et al. | 436 | 518 | 11/92 |
| BQ | 5,681,751 | 10/97 | Begg et al.    | 436 | 89  | 5/95  |
| BR | 5,849,486 | 12/98 | Heller et al.  | 435 | 6   | 8/96  |

| FOREIGN PATENT DOCUMENTS |    |                 |       |                        |       |              |                    |    |
|--------------------------|----|-----------------|-------|------------------------|-------|--------------|--------------------|----|
| EXAMINER<br>INITIAL      |    | DOCUMENT NUMBER | DATE  | COUNTRY                | CLASS | SUBC<br>LASS | TRANSLATION<br>YES | NO |
| AM                       | BS | 0228075         | 7/87  | EP (Dattagupta et al.) |       |              |                    |    |
|                          | BT | 2247889         | 3/92  | GB (Stanley)           |       |              |                    |    |
|                          | BU | WO95/07363      | 3/95  | PCT (Konrad)           |       |              |                    |    |
|                          | BV | WO90/01564      | 2/90  | PCT (Adams et al.)     |       |              |                    |    |
|                          | BW | WO89/01159      | 2/89  | PCT (Cornell et al.)   |       |              |                    |    |
|                          | BX | WO93/22678      | 11/93 | PCT (Hollis)           |       |              |                    |    |
|                          | BY | WO86/03782      | 7/86  | PCT (Malcolm et al.)   |       |              |                    |    |
|                          | BZ | WO89/10977      | 11/89 | PCT (Southern)         |       |              |                    |    |
|                          | CA | WO88/08528      | 11/88 | PCT (Stanbro et al.)   |       |              |                    |    |
|                          | CB | WO92/04470      | 3/92  | PCT (Stanley)          |       |              |                    |    |
|                          | CC | WO98/51819      | 11/98 | PCT (Heller et al.)    |       |              |                    |    |
|                          | CD | WO96/01836      | 1/96  | PCT (Heller et al.)    |       |              |                    |    |
|                          | CE | WO98/01758      | 1/98  | PCT (Kovacs)           |       |              |                    |    |
|                          | CF | WO97/12030      | 4/97  | PCT (Heller et al.)    |       |              |                    |    |
|                          | CG | 2156074         | 10/85 | UK (Palva et al.)      |       |              |                    |    |
|                          | CH | 57087           | 87    | Yugoslavia (Drmanac)   |       |              |                    |    |

  

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) |    |  |
|--|----|--|
| AM   | CI | Abrams et al. "Comprehensive Detection of Single Base Changes In Human Genomic DNA Using Denaturing Gradient Gel Electrophoresis & a GC Clamp". <i>Genomics</i> , 7, 1990, 463-475                     |
|  | CJ | Anand and Southern "Pulsed Field Gel Electrophoresis," <i>Gel Electrophoresis of Nucleic Acids - A Practical Approach</i> , 2d. Ed., D. Rickwood and B.D. Hames (New York: IRL Press 1990), pp 101-123 |
|  | CK | Anderson and Young, "Quantitative Filter Hybridization," <i>Nucleic Acid Hybridization - A Practical Approach</i> , Eds. B.D. Hames and S.J. Higgins (Washington, D.C.: IRL Press 1985) pp 73-111      |
|  | CL | Bains, "Setting a Sequence to Sequence a Sequence," <i>Bio/Technology</i> , 10:757-758 (1992)  |
|  | CM | Barinaga, "Will 'DNA Chip' Speed Genome Initiative?", <i>Science</i> , 253:1489 (1991)   |
|  | CN | Beattie et al., "Genosensor Technology," <i>The 1992 San Diego Conference: Genetic Recognition</i> , pp 1-5 (Nov, 1992)  |
|  | CO | Beltz et al., "Isolation of Multigene Families and Determination of Homologies by Filter Hybridization Methods," <i>Methods in Enzymology</i> , 100:266-285 (1983)                                     |

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|   |                         |                  |                |
|---|-------------------------|------------------|----------------|
| EXAMINER:   | <i>Adam H. Manacher</i> | DATE CONSIDERED: | <i>7/23/08</i> |
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|    |    |  |
|----|----|--|
| AM | CP | Brown et al. "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations". <i>Ultramicroscopy</i> , 38, 1991, 253-264                     |
|    | CQ | Conner et al., "Detection of Sickle Cell $\beta^3$ -Globin Allele by Hybridization With Synthetic Oligonucleotides," <i>Proc. Natl. Acad. Sci. USA</i> , 80:278-282 (1983)                   |
|    | CR | Drmanac et al., "Sequencing of Megabase Plus DNA by Hybridization: Theory of the Method," <i>Genomics</i> , 4:114-128 (1989)   |
|    | CS | Drmanac et al., "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <i>Science</i> , 260: 1649-1652 (1993)                                       |
|    | CT | Eggers et al. "Biochip Technology Development", BioChip Technology Development, Lincoln Laboratory Technical Report 901, Nov. 9, 1990  |
|    | CU | Fiaccabrino et al., "Array of Individually Addressable Microelectrodes", <i>Sensors and Actuators B</i> , 18-19 (1994) 675-677   |
|    | CV | Fodor et al., "Multiplexed Biochemical Assays With Biological Chips," <i>Nature</i> , 364:555-556 (1993)   |
|    | CW | Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> , 251:767-773 (1992)   |
|    | CX | Horejsi, "Some Theoretical Aspects of Affinity Electrophoresis," <i>Journal of Chromatography</i> , 178:1-13 (1979)  |
|    | CY | Horejsi et al., "Determination of Dissociation Constants of Lectin Sugar Complexes by Means of Affinity Electrophoresis, <i>Biochimica et Biophysica Acta</i> , 499:200-300 (1977)           |
|    | CZ | Kakerow et al., "A Monolithic Sensor Array of Individually Addressable Microelectrodes", <i>Sensors and Actuators A</i> , 43 (1994) 296-301  |
|    | DA | Mathews, Kricka. "Analytical Strategies For The Use Of DNA Probes". <i>Analytical Biochemistry</i> , 169, 1988, 1-25   |
|    | DB | Palecek. "New Trends in Electrochemical Analysis of Nucleic Acids". <i>Bioelectrochemistry and Bioenergetics</i> , 20, 1988, 179-194   |
|    | DC | Ranki et al., "Sandwich Hybridization as a Convenient Method for the Detection of Nucleic Acids in Crude Samples," <i>Gene</i> , 21:77-85 (1983)   |
|    | DD | Saiki, "Amplification of Genomic DNA," <i>PCR Protocols: A Guide to Methods and Applications</i> , (Academic Press, Inc. 1990), pp 13-20   |
|    | DE | Southern et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides Evaluation Using Experimental Models," <i>Genomics</i> , 13:1008-1017 (1992) |
|    | DF | Strezoska et al., "DNA Sequencing by Hybridization: 100 Bases Read by a Non-Gel-Based Method", <i>Proc. Natl. Acad. Sci. USA</i> , 88:10089-93 (1991)  |
|    | DG | Wallace et al., "Hybridization of Synthetic Oligodeoxynucleotides to $\phi$ x 174 DNA: The Effect of Single Base Pair Mismatch," <i>Nucleic Acid Res.</i> , 6:3543-3557 (1979)               |
|    | DH | Washizu, "Electrostatic Manipulation of Biological Objects," <i>Journal of Electrostatics</i> , 25:109-123 (1990)  |
|    | DI | Washizu and Kurosawa, "Electrostatic Manipulation of DNA in Microfabricated Structures," <i>IEEE Transactions on Industry Applications</i> , 26:1165-1172 (1990)                             |
|    | DJ | Brown et al., "Electrochemically Induced Adsorption of Radio-Labelled DNA on Gold and HOPG Substrates for STM Investigations", <i>Ultramicroscopy</i> , 38 (1991) pp 253-264                 |
| ✓  | DK | Palacek, "New Trends in Electrochemical Analysis of Nucleic Acids", <i>Bioelectrochemistry and Bioenergetics</i> , 20 (1988) pp 179-194  |

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EXAMINER:

*John H. Marshall*

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